## **EAST Search History**

	I		T	T		
Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L15	69664	(FMCW or CWFM or FM-CW or CW-FM or ((frequency adj (modulated or modulating or modulation)) or frequency-modulated))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 06:05
L16	91031	radar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:26
L17	6693	L15 and L16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:26
L18	3188402	(((collision or collide or colliding) same (avoid or avoiding or avoidance)) or CAS)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:26
L19	1802	L17 and L18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:26
L20	799524	(overhead or overbridge or bridge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:26
L21	1484574	(height)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:26
L22	683718	(obstacle or obstruction or danger or dangerous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:26

# **EAST Search History**

L23	18206	L20 and L21 and L22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:26
L24	129	L19 and L23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:26
L25	57882	(VCO or (voltage adj controlled adj oscillator))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:26
L26	3	L24 and L25 and @ad<="20040424" and @pd>="20051013"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:41
L27	1832	((342/70-72) or (342/123) or (342/455)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/12 05:40
L28	1832	L27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:40
L29	38	28 and @ad<="20040424" and @pd>="20051013"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:41
L30	0	((FMCW or CWFM or FM-CW or CW-FM or ((frequency adj (modulated or modulating or modulation)) or frequency-modulated)) and radar and (((collision or collide or colliding) same (avoid or avoiding or avoidance)) or CAS) and (overhead or overbridge or bridge) and height and (obstacle or obstruction or danger or dangerous) and (VCO or (voltage adj controlled adj oscillator))).clm.	US-PGPUB	OR	ON	2006/06/12 06:07

# **EAST Search History**

L31	3	((FMCW or CWFM or FM-CW or CW-FM or ((frequency adj (modulated or modulating or modulation)),or	US-PGPUB	OR	ON	2006/06/12 06:07
	frequency-modulated)) and radar and (((collision or collide or colliding) same (avoid or avoiding or avoidance)) or					
		CAS)).clm.				

6/12/06 6:08:46 AM C:\Documents and Settings\JSotomayor\My Documents\EAST\workspaces\10762088.wsp

### SEARCH NOTES FOR EAST AND IEEE AND INSPEC AND IP.COM

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10762088

### **EAST SEARCH**

EAST: search history attached

### **IEEE SEARCH**

<u>#1</u>

#### Mon, 12 Jun 2006, 5:30:25 AM EST

Recent Search Queries

(((((fmcw or cw-fm or ((frequency and

(modulated or modulating or modulation)) or frequency-modulated)) and radar)<in>metadata))<and>((fmcw or cwfm or fm-cw or cw-fm or ((frequency and (modulated or modulating or modulation)) or frequency-modulated)) and radar and (((collision or collide or colliding) and (avoid or avoiding or avoidance)) or cas)<in>metadata))

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#### 3. Monopulse Doppler radar for vehicle applications

Woll, J.D.

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Physics and Engineering of Millimeter and Sub-Millimeter Waves, 2001. The Fourth International Kharkov Symposium on Volume 2, 2001 Page(s):841 - 845 vol.2

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Kaplan, G.S.; Sterzer, F. Microwave Symposium Digest, MTT-S International Volume 75, Issue 1, May 1975 Page(s): 335 - 337

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#### 10. An automotive radar network based on 77 GHz FMCW sensors

Folster, F.; Rohling, H.; Lubbert, U. Radar Conference, 2005 IEEE International 9-12 May 2005 Page(s): 871 - 876

#### INSPEC SEARCH

Search history:

No. Databa	se Search term	Info added since	Results
1 INZZ	(FMCW OR CWFM OR FM-CW CW-FM OR frequency AND (modulated OR modulating O modulation) OR frequency- modulated) AND radar AND ((collision OR collide OR colli SAME (avoid OR avoiding OR avoidance) OR CAS)	R 20051013	53

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# Improvement of FMCW for automotive collision on correlation theory. Source

Instrument Techniques and Sensor, {Instrum-Technique-Sens-China}, 2004, no. 10, p. 47-58, 3 refs,

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Jin-Hui-long, Zhang-Da-biao. (COPYRIGHT BY The IET, Stevenage, UK)

# Integrated object and road border tracking using 77 GHz automotive radars.

#### Source

IEE **Proceedings**-Radar Sonar and Navigation, **{IEE-**Proc-Radar-Sonar- Navig-UK}, 10 Dec. 2004.

vol. 151, no. 6, p. 375-81, 18 refs, CODEN: IRSNE2, ISSN: 1350-2395. Publisher: IEE, UK. **Author(s)** 

Polychronopoulos-A, Amditis-A, Floudas-N, Lind-H.

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# A study on adapting the Zoom FFT algorithm to automotive millimetre wave radar.

#### Source

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{Trans-Inst-Electr-Eng-Jpn-D-Japan}, May 2003, vol. 123-D, no. 5, p. 634-9, 11 refs, CODEN:

DGRDE5, ISSN: 0913-6339. Publisher: Inst. Electr. Eng. Japan, Japan.

#### Author(s)

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Kuroda-H, Takano-K.

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# Application of time-frequency analysis for radar signal processing in millimeter-wave

#### collision prevention radar system.

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#### Author(s)

Jin-Chang-ming, Xu-Tao, Sun-Xiao-wei, Xia-Guan-qun, Sheng-Huai-mao, Li-Yu-fang. (COPYRIGHT BY The IET, Stevenage, UK)

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GAAS 2000. Conference Proceedings, 2000, p. 4 pp., 4 refs, pp. CD-ROM, ISBN: 0-86213-222-3.

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Camiade-M, Domnesque-D, Ouarch-Z, Sion-A.

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30th European Microwave Conference 2000. Conference Proceedings, 2000, vol.1, p. 9-12 vol.1, 4 refs,

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# Multistatic FMCW radar for collision avoidance applications, optimization of the antenna

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#### Source

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#### Author(s)

Steenstra-H-T, Muller-F-L, Swart-P-J-F.

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Li-D-D, Luo-S-C, Knox-R-M. (COPYRIGHT BY The IET, Stevenage, UK)

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27th European Microwave 97 Conference and Exhibition. Bridging the Gap Between Industry and Academia. Conference Proceedings (IEEE Cat. No.97TH8317), 1997, vol.1, p. 45-50 vol.1, 4 refs, pp. 2

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Swart-P-J-F, Nieuwark-L-R. (COPYRIGHT BY The IET, Stevenage, UK)

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#### Author(s)

Flikkema-P-G, Johnson-S-G. (COPYRIGHT BY The IET, Stevenage, UK)

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#### Source

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Eriksson-L-H, Back-I, de-Laval-P. (COPYRIGHT BY The IET, Stevenage, UK)

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Woll-J-D.

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Author(s)

Raudonat-U, Sautter-E. (COPYRIGHT BY The IET, Stevenage, UK) DataStar Documents 6

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Millimeter-wave oscillators and power-combining arrays for commercial wireless applications Vaughan, Mark John. Proquest Dissertations And Theses 1996. Section 0058, Part 0544 201 pages; [Ph.D. dissertation]. United States -- New York: Cornell University; 1996. Publication Number: AAT 9624890.